

TCAP-ACH Grade 5 Mathematics Framework

Reporting Category 1: Mathematical Processes		%	# of Items
		13-15%	6-8
0506.1.2	Estimate fraction and decimal sums or differences.		
0506.1.3	Recognize the unit associated with the remainder in a division problem or the meaning of the fractional part of a whole given in either decimal or fraction form.		

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Reporting Category 2: Number and Operations		%	# of Items
		37-40%	19-21
0506.2.1	Read and write numbers from millions to millionths in various contexts.		
0506.2.3	Select a reasonable solution to a real-world division problem in which the remainder must be considered.		
0506.2.4	Solve problems involving the division of two- and three-digit whole numbers by one- and two-digit whole numbers.		
0506.2.5	Solve addition and subtraction problems involving both fractions and decimals.		
0506.2.6	Add and subtract proper and improper fractions as well as mixed numbers.		
0506.2.7	Recognize equivalent representations for the same number.		
0506.2.8	Write terminating decimals in the form of fractions or mixed numbers.		
0506.2.9	Compare whole numbers, decimals and fractions using the symbols $<$, $>$, and $=$.		

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Reporting Category 3: Algebra		%	# of Items
		19-21%	9-11
0506.3.2	Evaluate multi-step numerical expressions involving fractions using order of operations.		
0506.3.3	Find the unknown in single-step equations involving fractions and mixed numbers.		

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Reporting Category 4: Geometry and Measurement		%	# of Items
		19-21%	9-11
0506.4.4	Solve problems involving surface area and volume of rectangular prisms and polyhedral solids.		
0506.4.5	Find the length of vertical or horizontal line segments in the first quadrant of the coordinate system, including problems that require the use of fractions and decimals.		

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Reporting Category 5: Data Analysis, Statistics, and Probability		%	# of Items
		8%	4
0506.5.1	Depict data using various representations, including decimal and/or fractional data.		